HTML Tables

Tables in HTML are used to display data in a structured, grid-like format. They consist of **rows** (<tr>), **headers** (<th>), and **data cells** (<td>).

1. Basic Table Structure

Core Tags:

Attribute	Description	Example
border	Border width (deprecated)	
colspan	Number of columns to span	
rowspan	Number of rows to span	
align	Horizontal alignment (left/right/center)	
valign	Vertical alignment (top/middle/bottom)	

Example:

```
  <caption>Employee Data</caption>

    Name
    Age

    John
    >25
```

2. Table Styling & Attributes

Common Attributes:

Attribute	Description	Example
border	Border width (deprecated)	
colspan	Number of columns to span	
rowspan	Number of rows to span	
align	Horizontal alignment (left/right/center)	
valign	Vertical alignment (top/middle/bottom)	

Example (Merging Cells):

```
    ctr>
    Personal Info

    Adame
    Adame

    Adame
```

3. Advanced Table Features

Grouping Rows:

Tag	Description	When to Use
<thead></thead>	Groups header content	Column headers
	Groups body content	Main table data
<tfoot></tfoot>	Groups footer content	Totals/summaries

Example:

```
  <thead>

            Product
            Price
            Acth>Price
            Acth>Price
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```

```
    Laptop
    Laptop
    $999

<tfoot>

        Total
        $999
```

4. Responsive Tables

For better mobile viewing, wrap tables in a <div> with overflow-x: auto:

```
<div style="overflow-x: auto;">
    ...
</div>
```

5. Practical Questions

1. Basic Table:

• Create a table with **3 columns** (Name, Email, Phone) and **2 rows** of sample data.

2. Merging Cells:

• Make a timetable where "Lunch Break" spans across all columns.

3. Styling:

• Add a border, center-align headers, and right-align numbers in a price table.

4. Advanced Structure:

• Use <thead>, , and <tfoot> in a sales report table.

5. Accessibility:

• Add a <caption> and scope="col" to headers for better screen reader support.

Bonus:

• Use CSS to style alternate rows with nth-child(even) for better readability.